

03/07/02
3c860 U.S. PTO

10091548 .030702

U.S. PTO
03/07/02
10/09/1548

Please type a plus sign (+) inside this box 

Approved for use through 10/31/2002. OMB 0651-0047
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

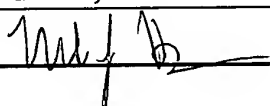
UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket PA122C1	
(Only for new nonprovisional applications under 37 CFR 1.53(b))		First Inventor Rosen et al.	
		Title Nucleic Acids, Proteins, and Antibodies	
		Express Mail Label	

APPLICATION ELEMENTS		ADDRESS TO: Box Patent Application Commissioner for Patents Washington, DC 20231	
See MPEP chapter 600 concerning utility patent application contents.			
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)	
2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)	
3. <input checked="" type="checkbox"/> Specification [Total Pages 445]		a. <input checked="" type="checkbox"/> Computer Readable Form (CRF)	
(preferred arrangement set forth below)		b. Specification Sequence Listing on:	
- Descriptive title of the invention		i. <input checked="" type="checkbox"/> CD-ROM or CD-R (2 copies); or	ii. <input type="checkbox"/> paper
- Cross Reference to Related Applications		c. <input checked="" type="checkbox"/> Statements verifying identity of above copies	
- Statement Regarding Fed sponsored R & D			
- Reference to sequence listing, a table, or a computer program listing appendix			
- Background of the Invention			
- Brief Summary of the Invention			
- Brief Description of the Drawings (if filed)			
- Detailed Description			
- Claim(s)			
- Abstract of the Disclosure			
4. <input type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets]			
5. Oath or Declaration [Total Pages 5]			
a. <input type="checkbox"/> Newly executed (original or copy)			
b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)			
i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).			
6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 (7 pages)			

ACCOMPANYING APPLICATIONS PARTS	
9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))	
10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input checked="" type="checkbox"/> Associate Power of Attorney	
11. <input type="checkbox"/> English Translation Document (if applicable)	
12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations	
13. <input type="checkbox"/> Preliminary Amendment	
14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	
15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)	
16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.	
17. <input checked="" type="checkbox"/> Other:	1. Statement Under 37 C.F.R. § 1.821 2. Transmittal and Submission Under 37 C.F.R. §§ 1.824 and 1.52(e)

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:	
<input checked="" type="checkbox"/> Continuation	<input type="checkbox"/> Divisional
<input type="checkbox"/> Continuation-in-part (CIP)	of prior application No.: 09/764,904
Prior application information: Examiner Clow, L. Group / Art Unit: 1631	
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.	

19. CORRESPONDENCE ADDRESS	
<input checked="" type="checkbox"/> Customer Number or Bar Code Label	22195
or <input type="checkbox"/> Correspondence address below	
Name	
Address	
City	State
Country	Zip Code
Telephone	Fax

Name (Print/Type)	Mark J. Hyman	Registration No. (Attorney/Agent)	46,789
Signature		Date	March 7, 2002

PTO/SB/17 (11-01)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2002		Complete if Known	
<i>Patent fees are subject to annual revision.</i>		Application Number	Not Yet Assigned
<input type="checkbox"/> Application claims small entity status. See 37 CFR 1.27		Filing Date	Herewith
		First Named Inventor	Rosen et al.
		Examiner Name	Not Yet Assigned
		Group Art Unit	Not Yet Assigned
TOTAL AMOUNT OF PAYMENT (\$) 896.00		Attorney Docket No.	PA122C1

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)	
<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card	3. ADDITIONAL FEES	
<input checked="" type="checkbox"/> Deposit Account	<input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		
Deposit Account Number	08-3425		
Deposit Account Name	Human Genome Sciences, Inc.		
The Commissioner is hereby authorized to: (check all that apply)			
<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input checked="" type="checkbox"/> Credit any overpayments		
<input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application			
<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee			
to the above-identified deposit account.			

FEE CALCULATION																																											
1. BASIC FILING FEE																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>101</td> <td>740</td> <td>Utility filing fee</td> <td>740.00</td> </tr> <tr> <td></td> <td></td> <td>106</td> <td>330</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td></td> <td></td> <td>107</td> <td>510</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td></td> <td></td> <td>108</td> <td>740</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td></td> <td></td> <td>114</td> <td>160</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (1)</td> <td style="text-align: right;">(\$) 740.00</td> </tr> </tbody> </table>	Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid			101	740	Utility filing fee	740.00			106	330	Design filing fee				107	510	Plant filing fee				108	740	Reissue filing fee				114	160	Provisional filing fee		SUBTOTAL (1)					(\$) 740.00	
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid																																						
		101	740	Utility filing fee	740.00																																						
		106	330	Design filing fee																																							
		107	510	Plant filing fee																																							
		108	740	Reissue filing fee																																							
		114	160	Provisional filing fee																																							
SUBTOTAL (1)					(\$) 740.00																																						
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>24</td> <td>-20** = 4</td> <td>18.00</td> <td>72.00</td> </tr> <tr> <td>Independent Claims</td> <td>4</td> <td>-3** = 1</td> <td>84.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Total Claims	Extra Claims	Fee from below	Fee Paid	24	-20** = 4	18.00	72.00	Independent Claims	4	-3** = 1	84.00	Multiple Dependent																														
Total Claims	Extra Claims	Fee from below	Fee Paid																																								
24	-20** = 4	18.00	72.00																																								
Independent Claims	4	-3** = 1	84.00																																								
Multiple Dependent																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>103</td> <td>18</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td></td> <td></td> <td>102</td> <td>84</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td></td> <td></td> <td>104</td> <td>280</td> <td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td></td> <td></td> <td>109</td> <td>84</td> <td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td></td> <td></td> <td>110</td> <td>18</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (2)</td> <td style="text-align: right;">(\$) 156.00</td> </tr> </tbody> </table>	Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid			103	18	Claims in excess of 20				102	84	Independent claims in excess of 3				104	280	Multiple dependent claim, if not paid				109	84	** Reissue independent claims over original patent				110	18	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					(\$) 156.00	
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid																																						
		103	18	Claims in excess of 20																																							
		102	84	Independent claims in excess of 3																																							
		104	280	Multiple dependent claim, if not paid																																							
		109	84	** Reissue independent claims over original patent																																							
		110	18	** Reissue claims in excess of 20 and over original patent																																							
SUBTOTAL (2)					(\$) 156.00																																						

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Mark J. Hyman	Registration No. (Attorney/Agent)	46,789
Signature		Telephone	(240) 314-1224
		Date	March 7, 2002

VIA HAND DELIVERY MARCH 7, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Rosen et al.

Attorney Docket No.: PA122C1

Application Serial No.: Not Yet Assigned Art Unit: Not Yet Assigned

Filed: Herewith

Examiner: Not Yet Assigned

Title: Nucleic Acids, Proteins, and Antibodies

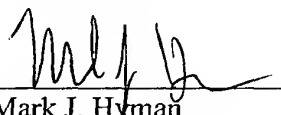
STATEMENT UNDER 37 C.F.R. § 1.821Commissioner for Patents
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. § 1.821(f), Applicants hereby certify that the sequence listing information recorded in computer readable form and submitted herewith is identical to the written (on compact disc) Sequence Listing submitted herewith.

Respectfully submitted,

Dated: March 7, 2002



Mark J. Hyman
Attorney for Applicants

Reg. No. 46,789

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, MD 20850
Telephone: (240) 314-1224

Enclosures

VIA HAND DELIVERY MARCH 7, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Rosen et al.

Attorney Docket No.: PA122C1

Application Serial No.: Not Yet Assigned

Art Unit: Not Yet Assigned

Filed: Herewith

Examiner: Not Yet Assigned

Title: Nucleic Acids, Proteins, and Antibodies

**TRANSMITTAL AND SUBMISSION UNDER
37 C.F.R. §§ 1.824 AND 1.52(e)**Commissioner for Patents
Washington, D.C. 20231

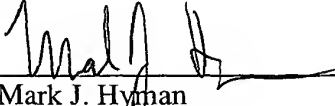
Sir:

In accordance with 37 C.F.R. §§ 1.821(e) and 1.824, Applicants submit herewith a Sequence Listing satisfying the computer readable format requirements on a compact disc (CD-R) labeled "CRF." Applicants submit concurrently herewith a Statement Under 37 C.F.R. § 1.821.

Additionally, in accordance with 37 C.F.R. §§ 1.52(e), 1.821, and 1.823, Applicants submit herewith a Sequence Listing as an electronic document on two identical compact discs (CD-R). Applicants certify under 37 C.F.R. § 1.52(e)(4) that these two compact discs, labeled "Copy 1" and "Copy 2," are identical. These compact discs, formatted for an IBM-PC machine and compatible with the MS-Windows operating system, each contain the file "PA122C1_seqList.txt" (380,578 bytes in size, created March 6, 2002).

Respectfully submitted,

Dated: March 7, 2002


Mark J. Hyman
Attorney for Applicants

Reg. No. 46,789

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, MD 20850
Telephone: (240) 314-1224

Enclosures